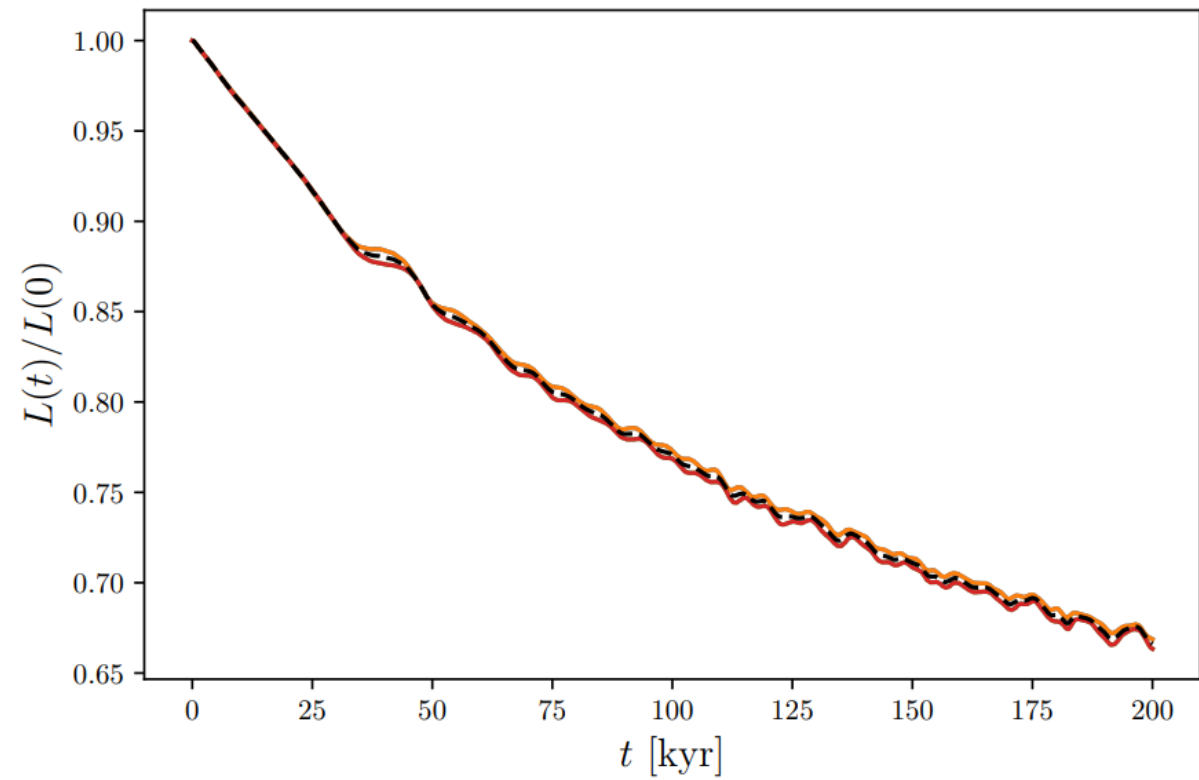
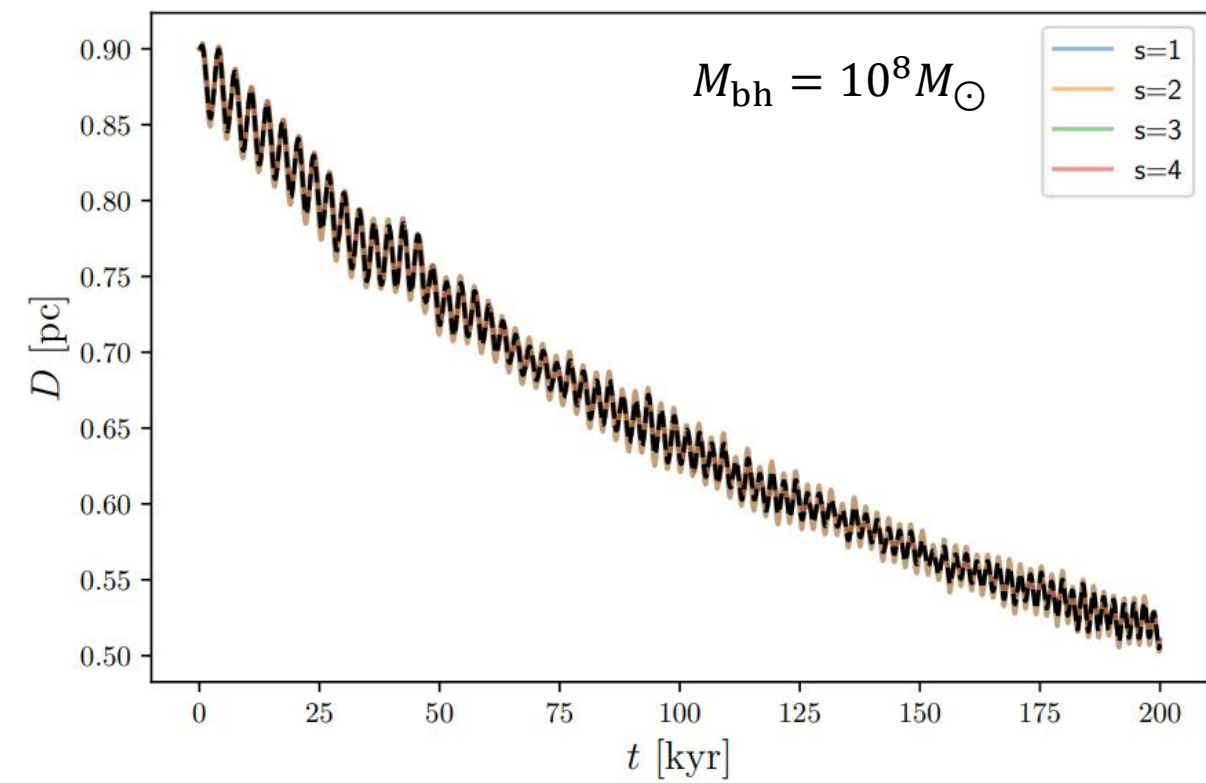
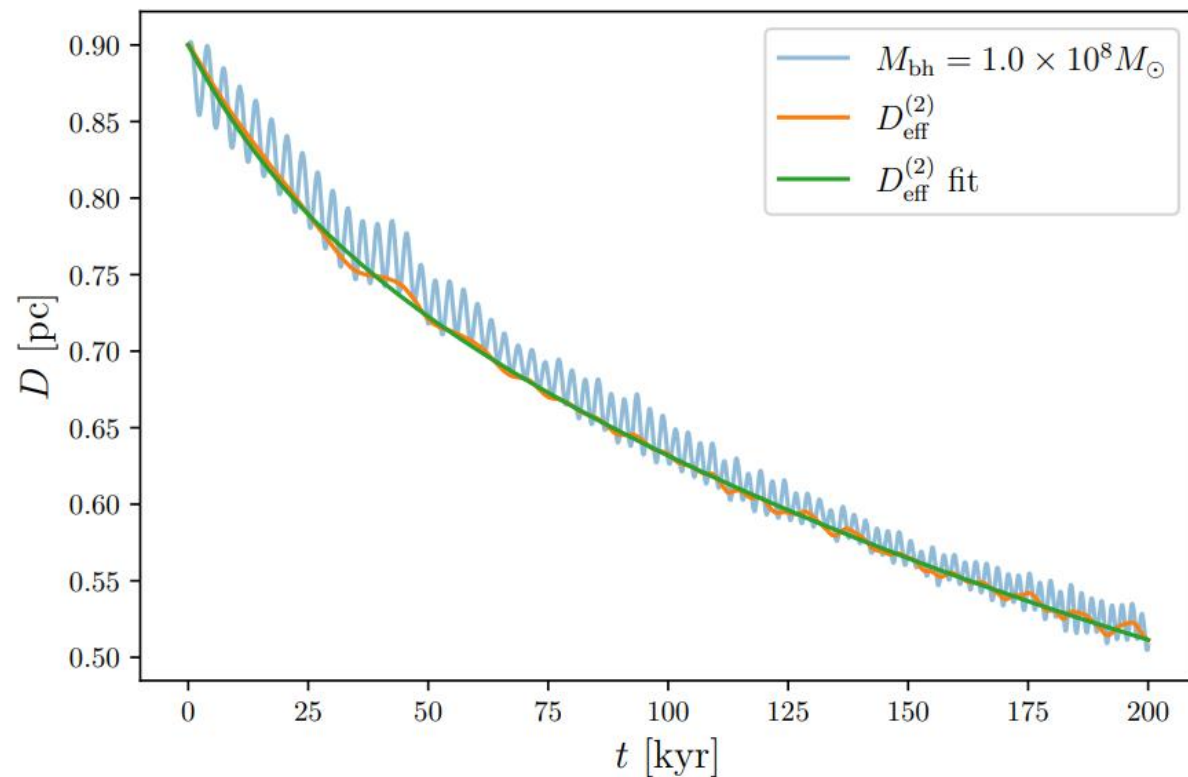
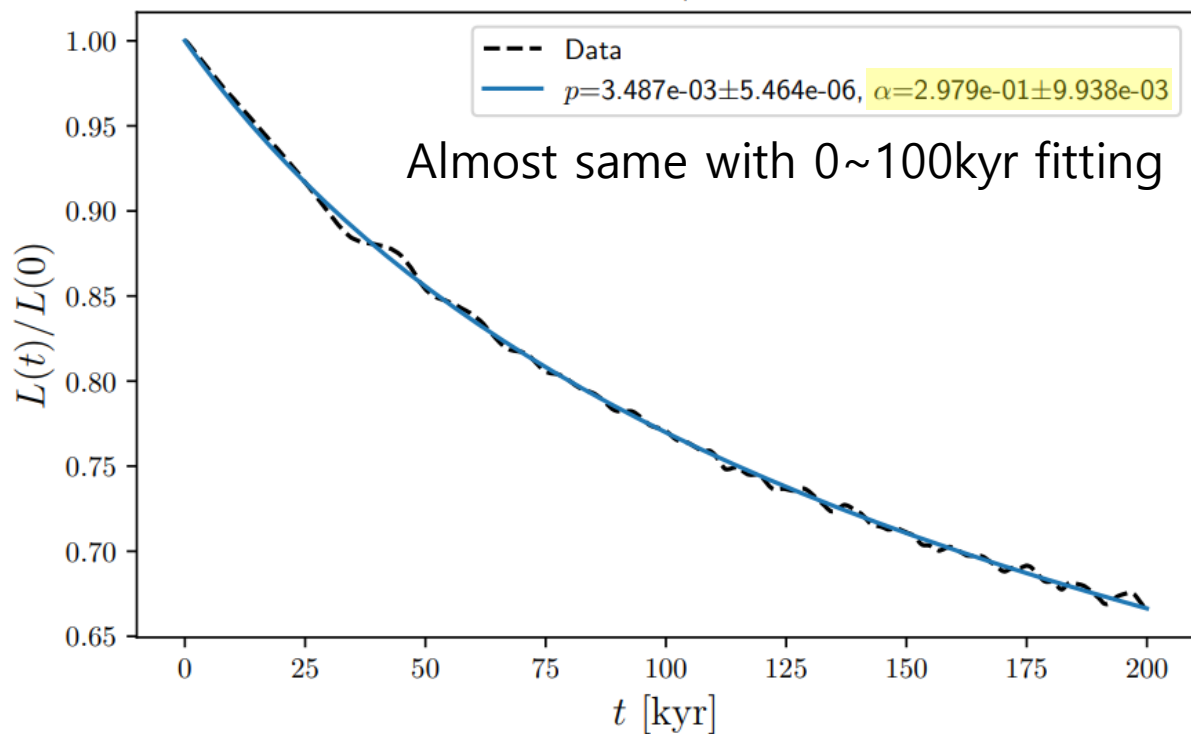




$$C \propto \left(\frac{mvD}{\hbar} \right)^\alpha \Rightarrow L(t) \propto [1 + (3 + \alpha)Pt]^{-\frac{1}{3+\alpha}}$$

α is not fixed, but $\alpha > 0$



Future plan : "Is $\alpha \cong 0.3$ invariant under varying M_{bh} ?"

Running simulations for $M_{\text{bh}} = 1.5 \times 10^8 M_\odot$, but would take 1~2 weeks...